

We claim:

1.

A float bowl type carburetor, comprising:

a body with a fuel and air mixing passage formed therethrough, and a fuel bowl defining at least a portion of a fuel chamber in which a supply of fuel is maintained;

a fuel supply pipe carried by the body in communication with the fuel and air mixing passage and through which fuel is supplied from the fuel chamber to the fuel and air mixing passage;

a fuel passage formed at least in part in the body and having an outlet generally coaxially aligned with the fuel supply pipe; and

a priming system including a priming pump communicated with the fuel supply pipe and the fuel chamber through said fuel passage and operable to discharge fluid through said outlet and into said fuel supply pipe upon actuation of the priming pump.

2.

The float bowl type carburetor of claim 1 wherein said fuel supply pipe includes a main jet with a passage that defines the minimum flow area through the fuel supply pipe and wherein the flow area of the outlet is larger than the minimum flow area through the fuel supply pipe.

3.

The float bowl type carburetor of claim 2 wherein the passage of the main jet is coaxially aligned with the fuel supply pipe.

4.

The float bowl type carburetor of claim 1 wherein said outlet is smaller than the minimum flow area through the fuel supply pipe.

5.

The float bowl type carburetor of claim 1 that also includes a bolt carried by the fuel bowl and having a passage formed therein with said passage defining a portion of the fuel passage.

6.

The float bowl type carburetor of claim 5 wherein the passage in the bolt communicates at one end with the portion of the fuel passage formed in the body and the other end of the passage defines the outlet of the fuel passage.

7.

The float bowl type carburetor of claim 6 wherein the passage in the bolt is defined by cross-drilled bores.

8.

The float bowl type carburetor of claim 5 wherein the body includes a column that extends into the fuel bowl, has a bore in which the fuel supply pipe is received, and a counterbore in which a main jet is received with a passage through the main jet aligned with the fuel supply pipe, and wherein the bolt is received in said counterbore to facilitate coaxially aligning the outlet with the fuel supply pipe.

9.

The float bowl type carburetor of claim 8 wherein said counterbore has at least a portion that is threaded and said bolt is threadedly engaged with the column.

10.

The float bowl type carburetor of claim 1 wherein said fuel supply pipe includes at least one hole between its ends through which fuel may exit the fuel supply pipe.

11.

The float bowl type carburetor of claim 10 wherein the minimum flow area of the fuel supply pipe is greater than the combined flow area of all of said at least one holes in the fuel supply pipe.

12.

The float bowl type carburetor of claim 10 wherein the minimum flow area of the fuel supply pipe is less than the combined flow area of all of said at least one holes in the fuel supply pipe.

13.

The float bowl type carburetor of claim 12 wherein the fuel supply pipe includes a main jet and wherein the minimum flow area of the fuel supply pipe is defined by the main jet.

14.

The float bowl type carburetor of claim 13 wherein the flow area of the outlet is smaller than the minimum flow area of the fuel supply pipe.

15.

The float bowl type carburetor of claim 11 wherein the fuel supply pipe includes a main jet and wherein the minimum flow area of the fuel supply pipe is defined by the main jet.

16.

The float bowl type carburetor of claim 15 wherein the flow area of the outlet is smaller than the minimum flow area of the fuel supply pipe.

17.

The float bowl type carburetor of claim 16 wherein the flow area of the outlet is smaller than the combined flow area of all of said at least one holes in said fuel supply pipe.